

# WIRELINE RETRIEVER

Instruction Manual 8820



Wireline Retriever

One Company Unlimited Solutions



**NATIONAL OILWELL VARCO**

# Wireline Retriever

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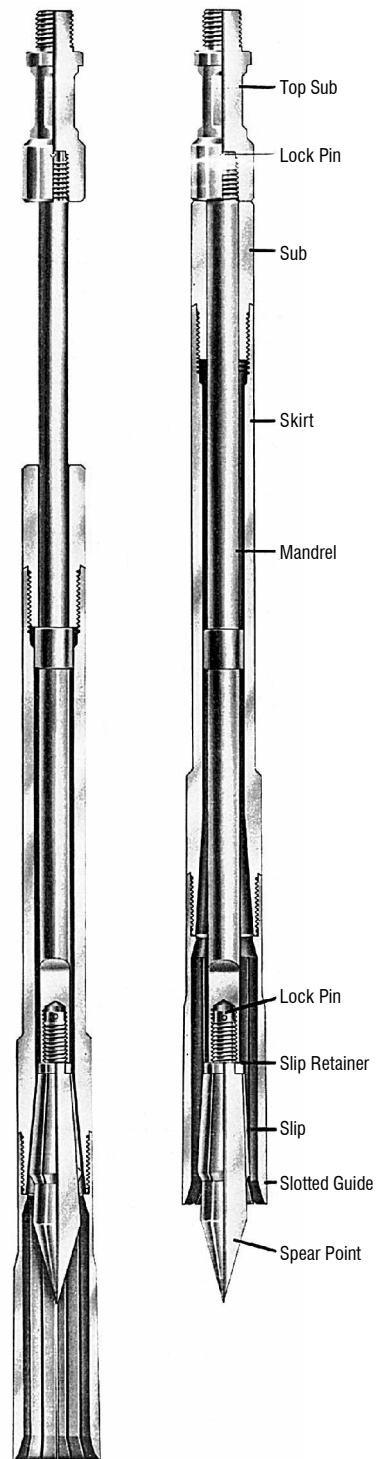
The designs and specifications for the tools described in this instruction manual were in effect at the time this manual was approved for printing. National Oilwell Varco, whose policy is one of continuous improvement, reserves the right to discontinue models at any time, or to change designs and specifications without notice or without incurring obligation.

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### General Description

**Bowen Wireline Retrievers** are specifically designed for recovering cut or broken single-strand measuring lines or small-diameter stranded lines. Since cut or broken wireline stands in soft coils inside the pipe with the uppermost portion standing fairly straight up, it is desirable to grab the line just below the break in order to prevent damage to it or to the well.

In operation, the Bowen Wireline Retriever is made up on the bottom of the running-in string. As it descends into the well, the well fluid and friction causes the Skirt to ride up on the Mandrel exposing the Spear Point and the opening between the Guide and the Slip. When the tool contacts the broken line, the line will pass through the space between the Guide and the Slip. Contact is indicated by a loss of running-in string weight or in the rate of descent. Stopping the decent causes the Skirt to move down the Mandrel, wedging the caught line between the two matching tapers of the Slip and Skirt. Pulling up on the wireline securely wedges the line between the Slip and the Skirt, and the entire wireline can then be pulled from the well.



Bowen Wireline Retriever

### Bowen Wireline Retriever Specifications

|                          |          |         |        |         |
|--------------------------|----------|---------|--------|---------|
| Tool O.D. - (Inches)     |          | 1-1/2   | 1-1/2  | 1-13/16 |
| To Run In                |          | 1-1/2   | 1-1/2  | 2-3/8   |
|                          |          | Tubing  | Tubing | Tubing  |
| Can Be Adapted To Run In |          | 2-1/16  | 2-3/8  | 2-7/8   |
| (See Extra Parts)        |          | 2       | 2-7/8  | 3-1/2   |
| Top Connection Pin       |          | 15/16   | 15/16  | 15/16   |
|                          |          | 10 Thd  | 10 Thd | 10 Thd  |
| Type                     |          | Slip    | Slip   | Slip    |
| Skirt Type               |          | Slotted | Plain  | Slotted |
| Complete                 | Part No. | 27650   | 15717  | 18995   |
| Assembly                 | Weight.  | 13      | 13     | 15      |

### Replacement Parts

|               |          |       |        |       |
|---------------|----------|-------|--------|-------|
| Top Sub       | Part No. | 11741 | 10761  | 10761 |
|               | Weight.  | 3-1/2 | 2-1/4  | 2-1/4 |
| Mandrel       | Part No. | 27653 | 15718  | 15718 |
|               | Weight.  | 2     | 3      | 3     |
| Sub           | Part No. | 27652 | 15719  | 15719 |
|               | Weight.  | 1-1/2 | 1-1/2  | 1-1/2 |
| Spear Point   | Part No. | 27655 | 15720  | 15720 |
|               | Weight.  | 1/8   | 1-1/2  | 1-1/2 |
| Skirt         | Part No. | 27651 | 15721* | 18996 |
|               | Weight.  | 3     | 4-1/8  | 6     |
| Slip          | Part No. | 27654 | 15722  | 15722 |
|               | Weight.  | 1     | 1/2    | 1/2   |
| Spring Pin    | Part No. | 16010 | 14214  | 14214 |
|               | Weight.  | 1/16  | 1/16   | 1/16  |
| Spring Pin    | Part No. | 2632  | 13431  | 13431 |
|               | Weight.  | 1/16  | 1/16   | 1/16  |
| Slip Retainer | Part No. | 27657 | 15728  | 15728 |
|               | Weight.  | 1/4   | 1/4    | 1/4   |
| Guide         | Part No. | 27656 | —      | 18997 |
|               | Weight.  | 1/2   | —      | 2     |

### Extra Parts - Oversize Skirts

|                  |          |   |       |   |
|------------------|----------|---|-------|---|
| For 2-3/8 Tubing | Part No. | — | 15721 | — |
| For 2-7/8 Tubing | Part No. | — | 15721 | — |

### Oversize Guides

|                            |          |       |   |       |
|----------------------------|----------|-------|---|-------|
| For 2-1/16 Tubing          | Part No. | 27656 | — | —     |
| For 2-3/8 Tubing           | Part No. | 27656 | — | 18997 |
| For 2-1/4 O.D.             | Part No. | —     | — | 18997 |
| For 2-7/8 Tubing           | Part No. | 27656 | — | 18997 |
| For 3-1/2 9.2 – 9.3 Tubing | Part No. | 27655 | — | 18997 |
| For 3-1/2 10.2 Tubing      | Part No. | —     | — | 18997 |
| For 4 O.D. Tubing          | Part No. | —     | — | 18997 |

\* Special Slotted Skirt, No. 15721.

### How to Order

Specify:

- (1) Name and Number of Assembly and Part
- (2) Tubing Size to Run In
- (3) Any Desired Extras by Name and Part Number

Recommended Spares:

- (1) 1 Guide or Skirt for Each Tubing Size
- (2) 6 Each Spring Pins

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\* Denotes Manufacturing and Engineering facilities

## Downhole Solutions

## Drilling Solutions

## Engineering and Project Management Solutions

## Lifting and Handling Solutions

## Production Solutions

## Supply Chain Solutions

## Tubular and Corrosion Control Solutions

## Well Service and Completion Solutions